

February 14, 1978

Memo to File:

Re: ACT/053/002

On February 9, 1978 Jim Smith and Brian Buck accompanied Bruce Hansen to the site of his proposed building stone quarry. The site is on a resistant sandstone outcrop which appears to be the Shinarump Member of the Chinle Formation. The operator will use an existing dirt road to within a few hundred yards of the mine and will construct a road up to the outcrop from there. A small working pad will be bladed in front of the outcrop and open pit mining will commence.

The topography below the outcrop is rounded and mostly devoid of vegetative cover. The drainage area is confined to that area below the outcrop so no hydrologic design is needed for the proposed new road and pad. The rock areas appear to be of interest for archeologic resources and the Div. of State History will be alerted to the situation.

Very little reclamation is required for this mine and should consist only of a general cleanup and revegetation of the compacted areas.

BRIAN W. BUCK   
ENGINEERING GEOLOGIST









